

Appendix 5: Pooled results for hysterectomy v Mirena® [posted as supplied by author]

	Time point	Trials (no.)	WMD (95%CI) ^{\$}	OR (95%CI) [#]	P-value	Hetero (p) / I ² (%)
SF36 General health (absolute)		1 (211)	-3.2 (-8.8 to 2.4)	-	0.3	-
SF36 Physical function (absolute)		1 (211)	-2.7 (-7.2 to 1.8)	-	0.2	-
SF36 Role physical (absolute)		1 (209)	-10.7 (-19.6 to -1.8)	-	0.02	-
SF36 Role emotional (absolute)		1 (208)	-8.3 (-17.5 to 0.9)	-	0.08	-
SF36 Mental health (absolute)		1 (211)	-5.3 (-10.1 to -0.5)	-	0.03	-
SF36 Social function (absolute)		1 (212)	-6.1 (-11.2 to -1.0)	-	0.02	-
SF36 Vitality (absolute)		1 (211)	-7.8 (-13.8 to -1.8)	-	0.01	-
SF36 Pain (absolute)		1 (212)	-5.7 (-11.8 to 0.4)	-	0.07	-
SF36 General health (absolute)		1 (214)	-2.4 (-8.1 to 3.3)	-	0.4	-
SF36 Physical function (absolute)		1 (213)	-3.2 (-7.8 to 1.4)	-	0.2	-
SF36 Role physical (absolute)		1 (210)	-4.4 (-12.4 to 3.6)	-	0.3	-
SF36 Role emotional (absolute)		1 (208)	-9.4 (-18.3 to -0.50)	-	0.04	-
SF36 Mental health (absolute)		1 (214)	-3.9 (-8.6 to 0.8)	-	0.1	-
SF36 Social function (absolute)		1 (213)	-4.0 (-8.7 to 0.7)	-	0.09	-
SF36 Vitality (absolute)		1 (214)	-4.7 (-10.4 to 1.0)	-	0.1	-
SF36 Pain (absolute)		1 (213)	-6.5 (-12.4 to -0.6)	-	0.03	-
SF36 General health (absolute)		1 (224)	-2.4 (-7.9 to 3.1)	-	0.4	-
SF36 Physical function (absolute)		1 (221)	-0.6 (-5.8 to 4.6)	-	0.8	-
SF36 Role physical (absolute)		1 (222)	-0.6 (-10.3 to 9.1)	-	0.9	-
SF36 Role emotional (absolute)		1 (225)	-1.0 (-10.2 to 8.2)	-	0.8	-
SF36 Mental health (absolute)		1 (225)	-2.9 (-7.2 to 1.4)	-	0.2	-
SF36 Social function (absolute)		1 (226)	-3.1 (-8.8 to 2.6)	-	0.3	-
SF36 Vitality (absolute)		1 (224)	-1.5 (-7.0 to 4.0)	-	0.6	-
SF36 Pain (absolute)		1 (226)	0.5 (-6.5 to 7.5)	-	0.9	-
SF36 General health (change)		1 (209)	-3.8 (-8.2 to 0.6)	-	0.09	-
SF36 Physical function (change)		1 (207)	-2.7 (-6.6 to 1.2)	-	0.2	-
SF36 Role physical (change)		1 (206)	-8.3 (-19.3 to 2.7)	-	0.1	-
SF36 Role emotional (change)		1 (202)	-2.9 (-14.6 to 8.8)	-	0.6	-
SF36 Mental health (change)		1 (207)	-2.9 (-8.0 to -2.2)	-	0.3	-
SF36 Social function (change)		1 (210)	-2.2 (-7.5 to 3.1)	-	0.4	-
SF36 Vitality (change)		1 (208)	-5.9 (-12.0 to 0.2)	-	0.06	-
SF36 Pain (change)		1 (208)	-6.8 (-13.6 to 0.01)	-	0.05	-
SF36 General health (change)		1 (212)	-0.6 (-4.9 to 3.7)	-	0.8	-
SF36 Physical function (change)		1 (209)	-2.3 (-6.6 to 2.0)	-	0.3	-
SF36 Role physical (change)		1 (208)	-0.5 (-11.6 to 10.6)	-	0.9	-
SF36 Role emotional (change)		1 (206)	-4.1 (-15.7 to 7.5)	-	0.5	-
SF36 Mental health (change)		1 (210)	-0.3 (-5.2 to 4.6)	-	0.9	-
SF36 Social function (change)		1 (212)	-0.5 (-5.7 to 4.7)	-	0.9	-
SF36 Vitality (change)		1 (211)	-2.3 (-7.9 to 3.3)	-	0.4	-
SF36 Pain (change)		1 (210)	-9.6 (-16.6 to -2.7)	-	0.007	-
SF36 General health (change)		1 (222)	-1.3 (-6.2 to 3.6)	-	0.6	-
SF36 Physical function (change)		1 (216)	-0.5 (-5.5 to 4.5)	-	0.9	-
SF36 Role physical (change)		1 (219)	-1.1 (-12.3 to 10.1)	-	0.9	-
SF36 Role emotional (change)		1 (221)	4.1 (-7.7 to 15.9)	-	0.5	-
SF36 Mental health (change)		1 (220)	0.5 (-4.4 to 5.4)	-	0.8	-
SF36 Social function (change)		1 (224)	-0.1 (-5.8 to 5.6)	-	1.0	-
SF36 Vitality (change)		1 (221)	-0.4 (-6.2 to 5.4)	-	0.9	-
SF36 Pain (change)		1 (222)	-0.6 (-8.0 to 6.8)	-	0.9	-
EQ5D (absolute)	6 months	1 (214)	-0.04 (-0.09 to 0.01)	-	0.1	-
EQ5D (absolute)	12 months	1 (213)	-0.02 (-0.06 to 0.02)	-	0.4	-
EQ5D (absolute)	5 years	1 (224)	-0.03 (-0.08 to 0.02)	-	0.3	-
EQ5D (change)	6 months	1 (210)	-0.01 (-0.06 to 0.04)	-	0.7	-
EQ5D (change)	12 months	1 (209)	-0.00 (-0.05 to 0.05)	-	1.0	-
EQ5D (change)	5 years	1 (220)	-0.01 (-0.07 to 0.05)	-	0.7	-
		Trials	Freq			
Discontinued Mirena		6 months	1	22/119 (18%)		
		12 months	1	37/119 (31%)		
		5 years	1	60/119 (50%)		
Hysterectomy after Mirena		6 months	1	9/119 (8%)		
		12 months	1	24/119 (20%)		

Peri-procedure complications (Hyst):	Trials	Freq (Hyst: max 117, Mirena: max 119)	OR (95%CI) [#]	P-value	Hetero (p) / I ² (%)
- Anaesthesia problems	1	0	-	-	-
- Excessive bleeding	1	0	-	-	-
- Injury surrounding organs	1	5	-	-	-
Further complications (Hyst, <1 month):					
- Urinary tract infection	1	0	-	-	-
- DVT	1	0	-	-	-
- Excessive bleeding	1	0	-	-	-
- Embolism	1	0	-	-	-
Complication post-insertion (Mirena)					
- Uterine perforation	1	0	-	-	-
- Infection	1	5	-	-	-
- Expelled/migrated	1	0	-	-	-
- Cervical laceration	1	0	-	-	-
- Failed to insert	1	2	-	-	-
- Removed (before 3 months)	1	10	-	-	-

^{\$} <0 Favours Hysterectomy, >0 favours Mirena®

[#] <1 Favours Hysterectomy, >1 favours Mirena®